

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Cancelled):

Claim 2 (Currently Amended): The ~~system of~~ computer peripheral of claim [[1]] 22 in which ~~the desired~~ a trajectory obtained by the shaping results in maximum speed of paper advance subject to acoustic vibration, structural vibration, and motion constraints.

Claim 3 (Currently Amended): The ~~system of~~ computer peripheral of claim [[1]] 22 wherein ~~the desired~~ a trajectory of the mechanism obtained by the shaping, results in quiet operation of paper advance.

Claim 4 (Currently Amended): The ~~system of~~ computer peripheral of claim [[1]] 22 wherein ~~the desired~~ a trajectory of the mechanism obtained by the shaping, results in vibration-reduced operation of paper advance.

Claim 5 (Currently Amended): The ~~system of~~ computer peripheral of claim [[1]] 22 wherein ~~the desired~~ a trajectory of the mechanism obtained by the shaping, reduces unwanted acoustic frequencies of the paper.

Claim 6 (Currently Amended): The ~~system of~~ computer peripheral of claim [[1]] 22 further including a sensor responsive to the dynamic response of the peripheral.

Claim 7 (Currently Amended): The ~~system of~~ computer peripheral of claim 6 wherein the sensor is an accelerometer.

Claim 8 (Currently Amended): The ~~system of~~ computer peripheral of claim 6 wherein the sensor is a microphone.

Claim 9 (Currently Amended): The ~~system of~~ computer peripheral of claim 6 wherein an output from the sensor is used by the circuitry to provide the shaped input.

Claim 10 (Currently Amended): The ~~system of~~ computer peripheral of claim [[1]] 22 wherein the peripheral is a printer.

Claim 11 (Currently Amended): The ~~system of~~ computer peripheral of claim [[1]] 22 wherein the peripheral is a scanner.

Claim 12 (Currently Amended): The ~~system~~ computer peripheral of claim 22 further comprising ~~1 wherein the means for selecting comprises~~ a user interface.

Claim 13 (Currently Amended): The ~~system~~ computer peripheral of claim [[1]] 22 wherein [[the]] a trajectory of the mechanism is quick, quiet, or in between.

Claim 14 (Currently Amended): The ~~system~~ computer peripheral of claim [[1]] 22 wherein the trajectory of the mechanism obtained by the shaping suppresses unwanted acoustical frequencies of the paper.

Claims 15 and 16 (Cancelled).

Claim 17 (Currently Amended): The ~~system~~ computer peripheral of claim 12 wherein the peripheral is a printer.

Claim 18 (Currently Amended): The ~~system~~ computer peripheral of claim 12 wherein the peripheral is a scanner.

Claims 19 and 20 (Cancelled):

Claim 21 (Currently Amended): The ~~system~~ computer peripheral of claim [[1]] 22 further including a user control ~~for tuning~~ configured to tune the computer peripheral to its environment.

Claim 22 (New): A computer peripheral, comprising:
an electromechanical mechanism configured to advance paper; and
circuitry configured to shape an input to the electromechanical mechanism based on acoustic frequencies of the paper.

Claim 23 (New) The computer peripheral of claim 22, wherein the acoustic frequencies of the paper are changed based on the type of paper specified by a user or detected by the computer peripheral.

Claim 24 (New) The computer peripheral of claim 21, wherein the peripheral is operated on a table and the user control includes a mechanism to designate a type of the table.

Claim 25 (New) The computer peripheral of claim 21, wherein the user control includes a mechanism to specify a type of the paper.

Claim 26 (New) The computer peripheral of claim 13, wherein the peripheral includes a user control which enables selection of the quick and quiet modes, or optionally an in between modes.